6607271 5687560

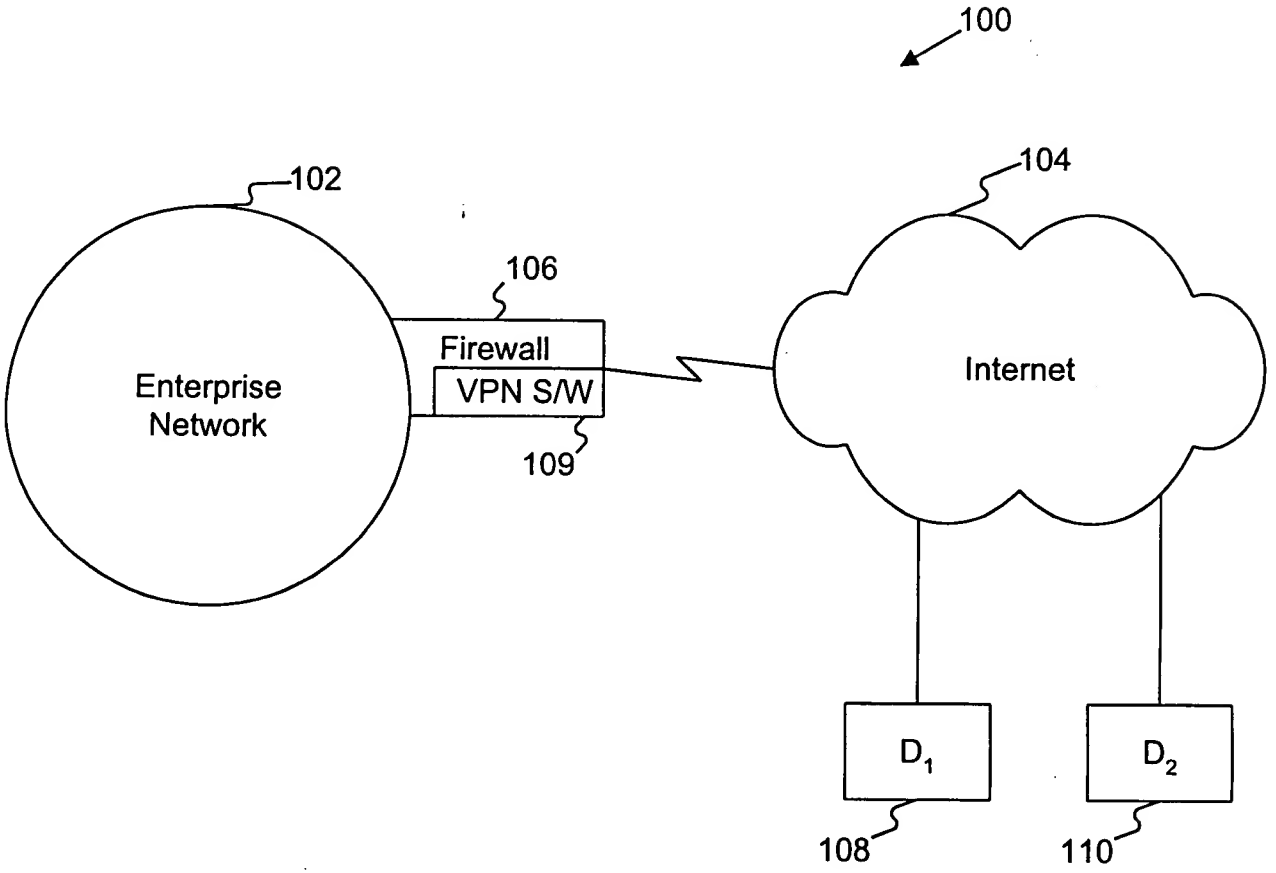

Fig. 1
(Prior Art)

6607271 5682560

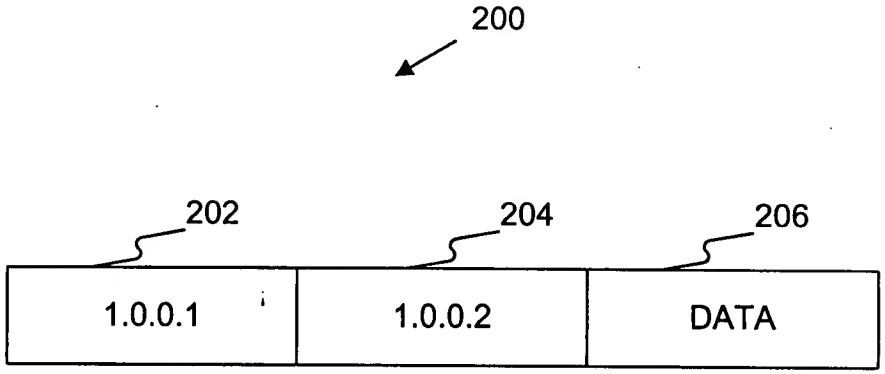

Fig. 2A
(Prior Art)

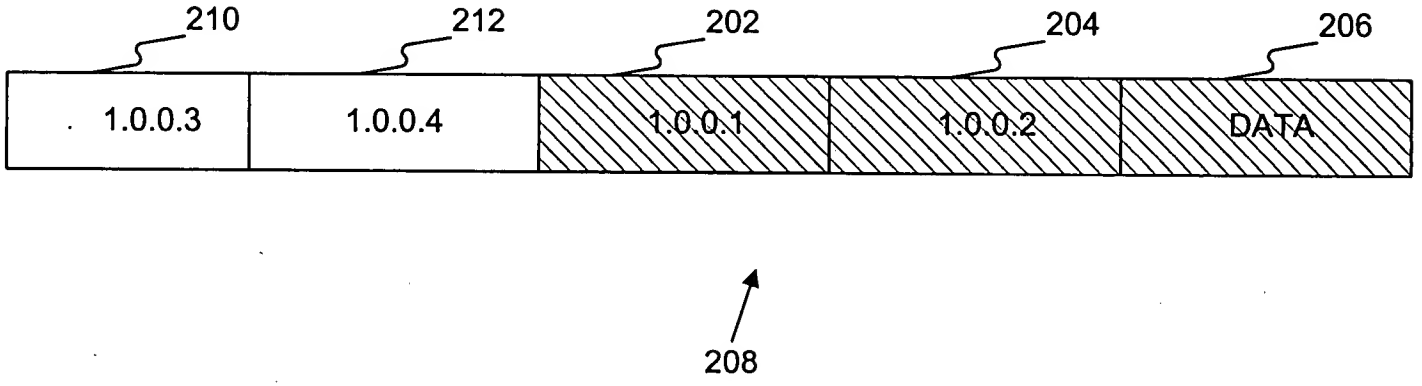

Fig. 2B
(Prior Art)

6607a7"5682546D

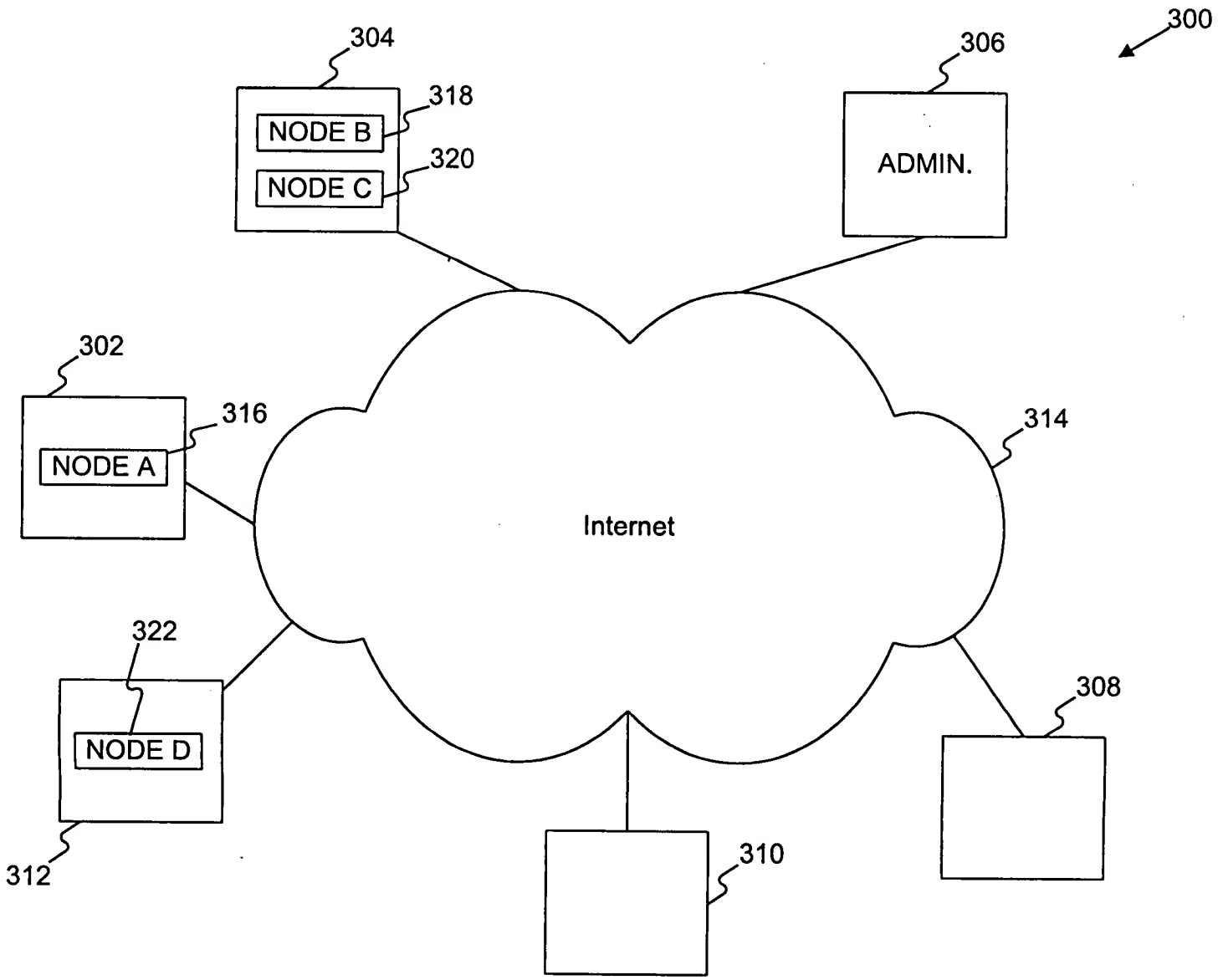

Fig. 3

60T2T"5682Sh60

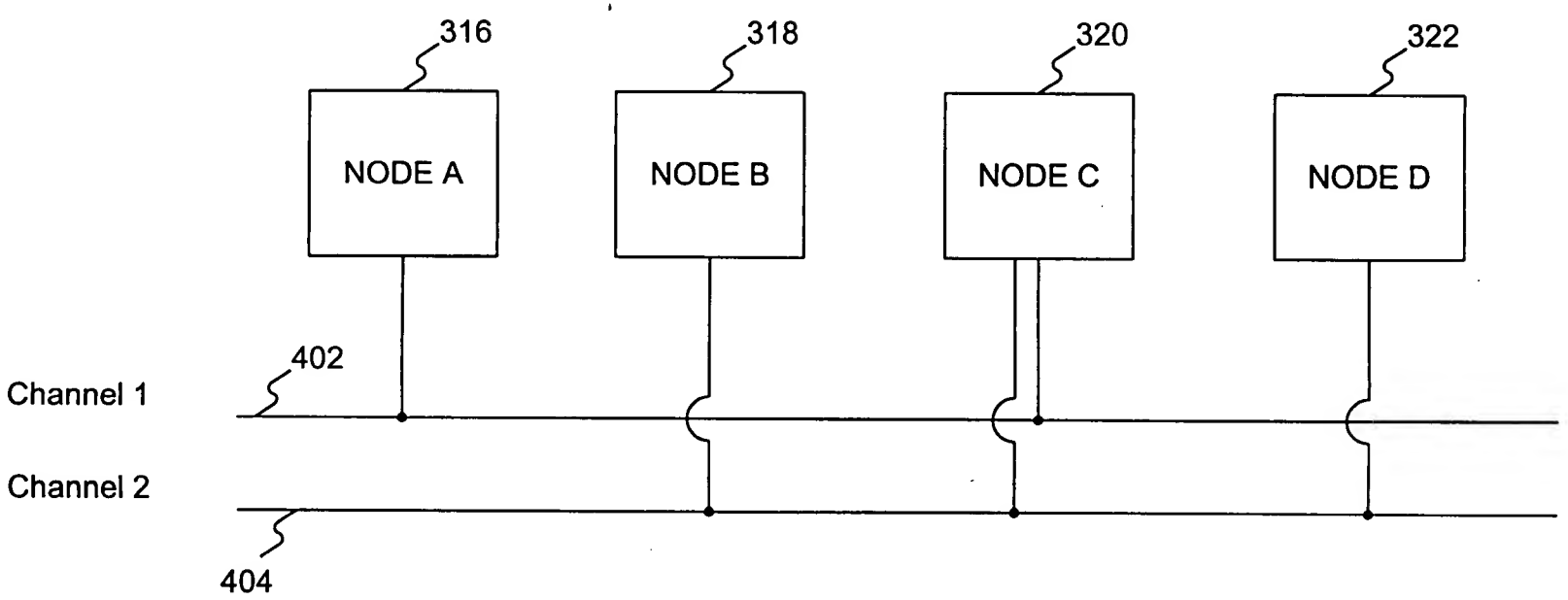

Fig. 4

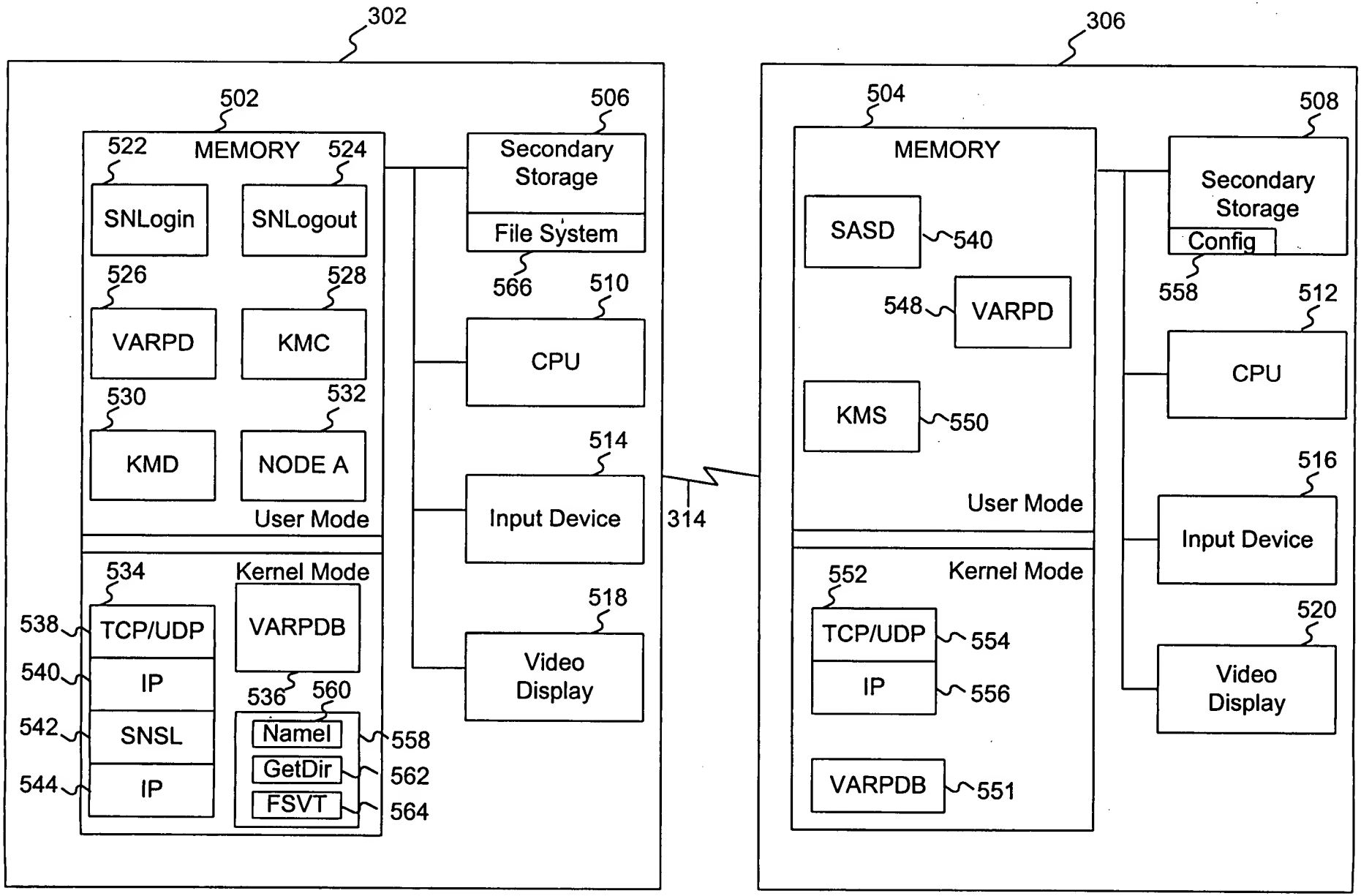
302
306
502
504
506
508
MEMORY
MEMORY
522
524
SNLogin
SNLogout
526
528
VARPD
KMC
530
532
KMD
NODE A
User Mode
534
Kernel Mode
538
TCP/UDP
540
IP
542
SNSL
544
IP
VARPDB
536
560
Namel
GetDir
FSVT
558
562
564
Secondary Storage
File System
566
510
CPU
514
Input Device
518
Video Display
314
SASD
540
548
VARPD
KMS
550
User Mode
552
Kernel Mode
TCP/UDP
554
IP
556
VARPDB
551
Secondary Storage
Config
558
512
CPU
516
Input Device
520
Video Display

Fig. 5

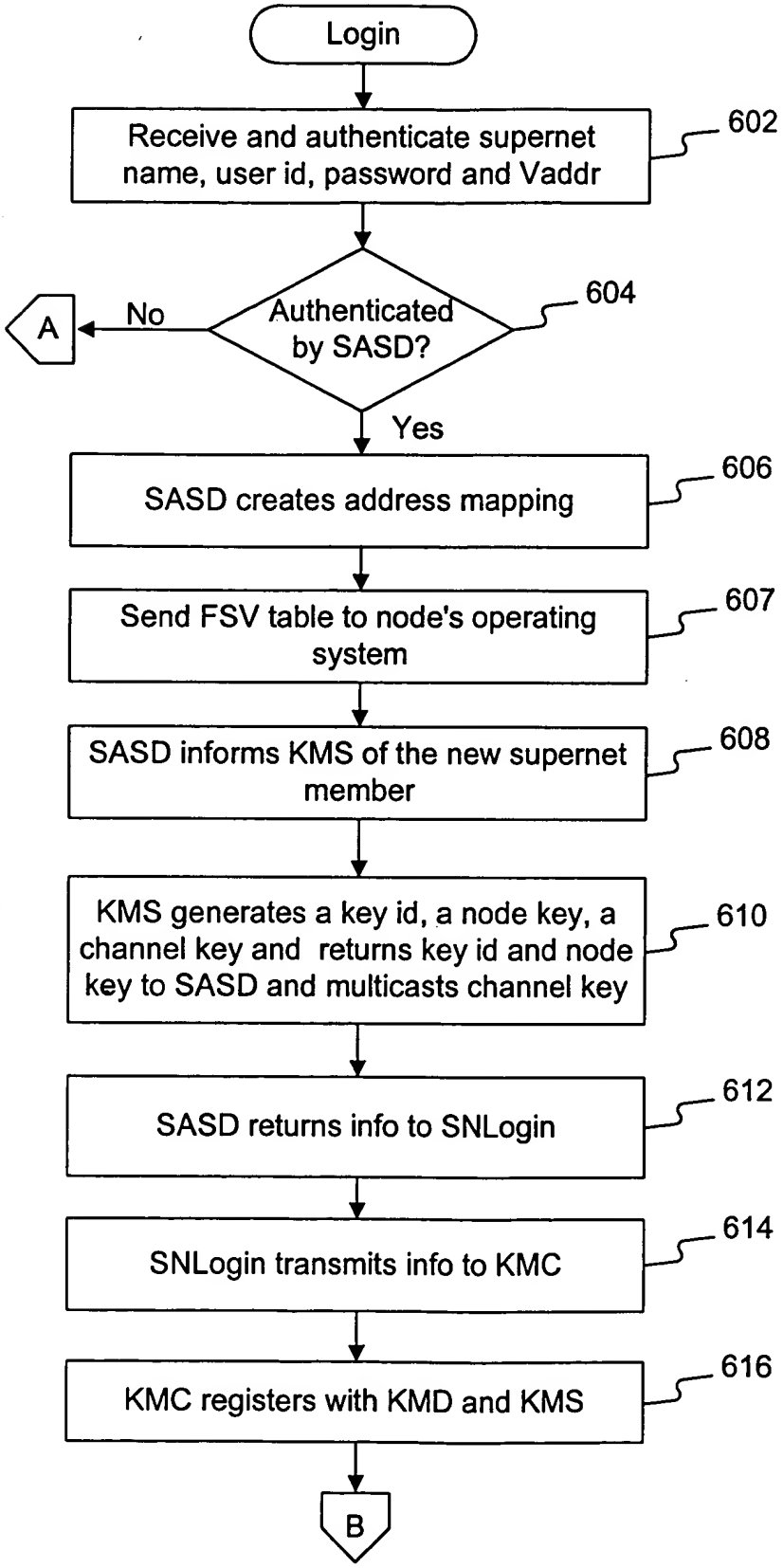
Login
Receive and authenticate supernet name, user id, password and Vaddr
602
Authenticated by SASD?
604
No
A
Yes
SASD creates address mapping
606
Send FSV table to node's operating system
607
SASD informs KMS of the new supernet member
608
KMS generates a key id, a node key, a channel key and returns key id and node key to SASD and multicasts channel key
610
SASD returns info to SNLogin
612
SNLogin transmits info to KMC
614
KMC registers with KMD and KMS
616
B

Fig. 6A

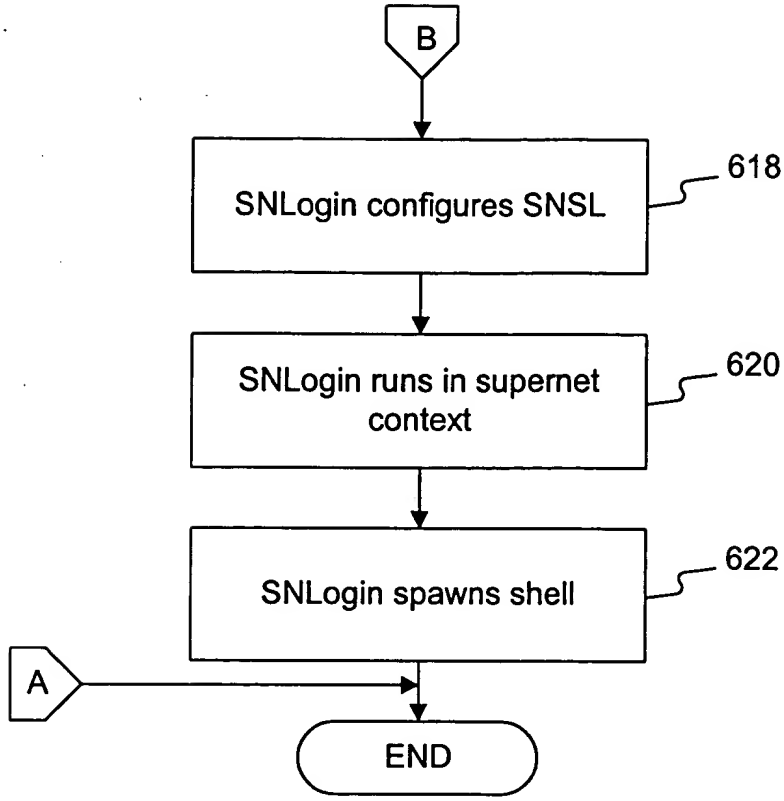
B
SNLogin configures SNSL
618
SNLogin runs in supernet context
620
SNLogin spawns shell
622
A
END

Fig. 6B

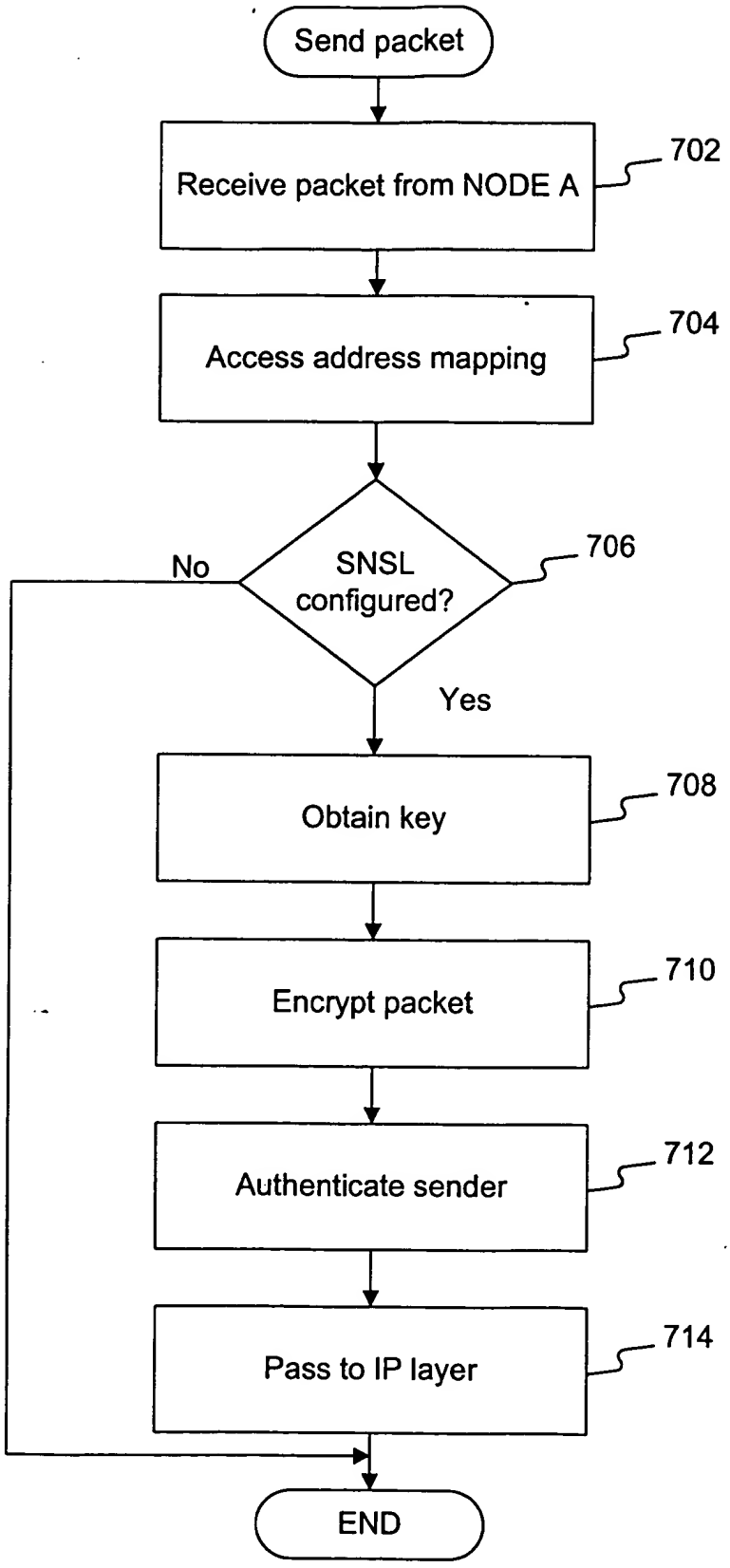
Send packet
Receive packet from NODE A
702
Access address mapping
704
SNSL configured?
706
No
Yes
Obtain key
708
Encrypt packet
710
Authenticate sender
712
Pass to IP layer
714
END

Fig. 7

09459385.1-2416-US

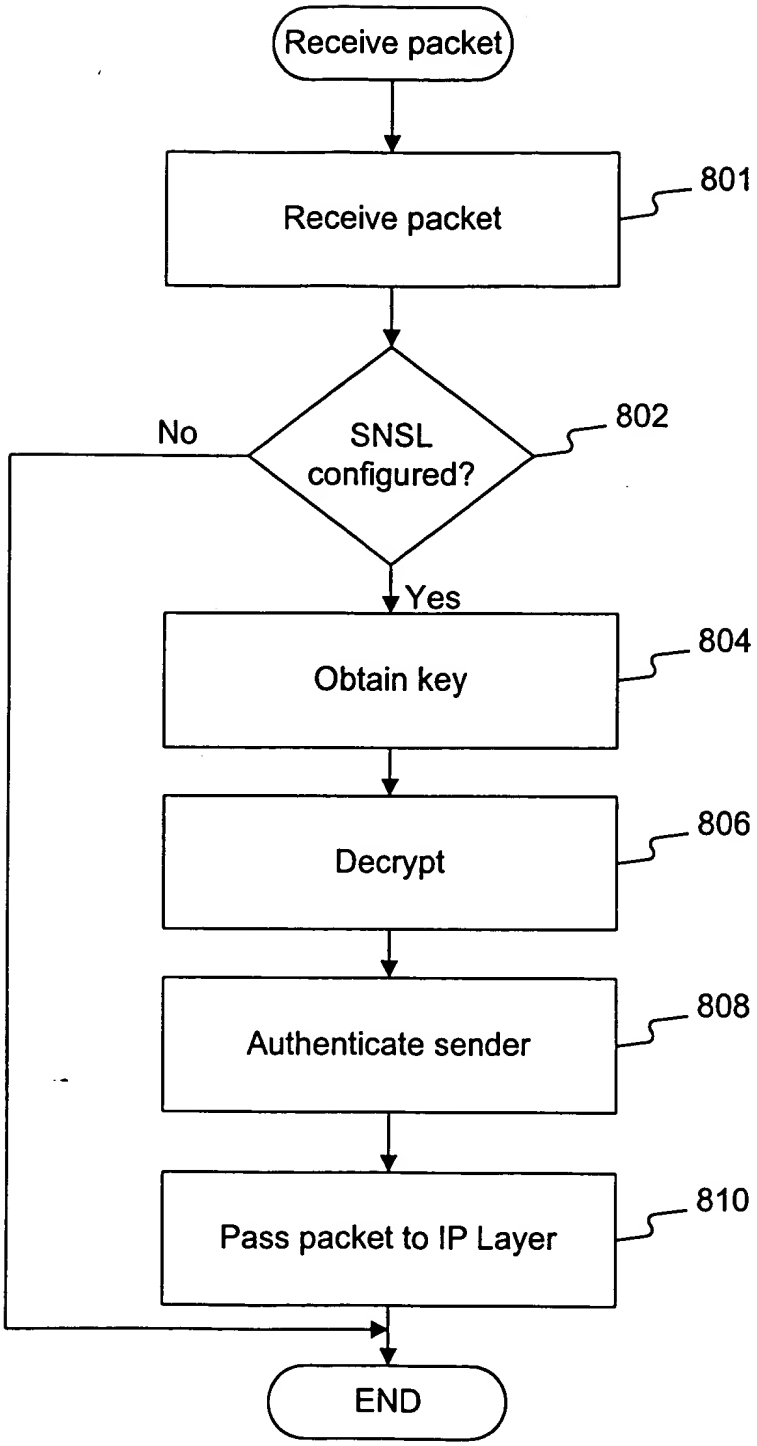

Fig. 8

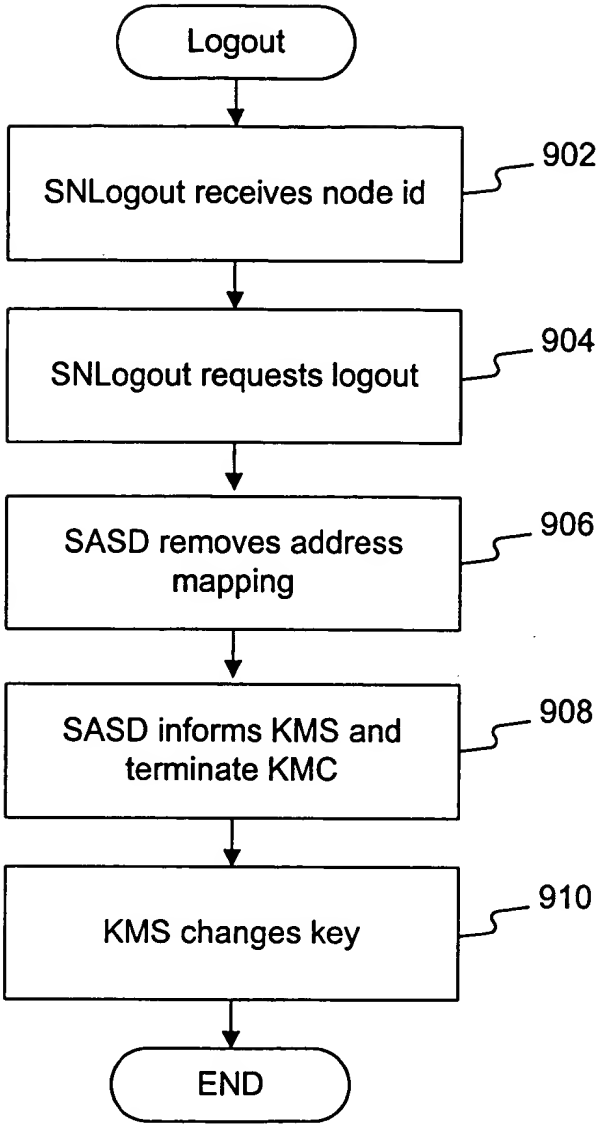
Logout
SNLogout receives node id
902
SNLogout requests logout
904
SASD removes address mapping
906
SASD informs KMS and terminate KMC
908
KMS changes key
910
END

Fig. 9

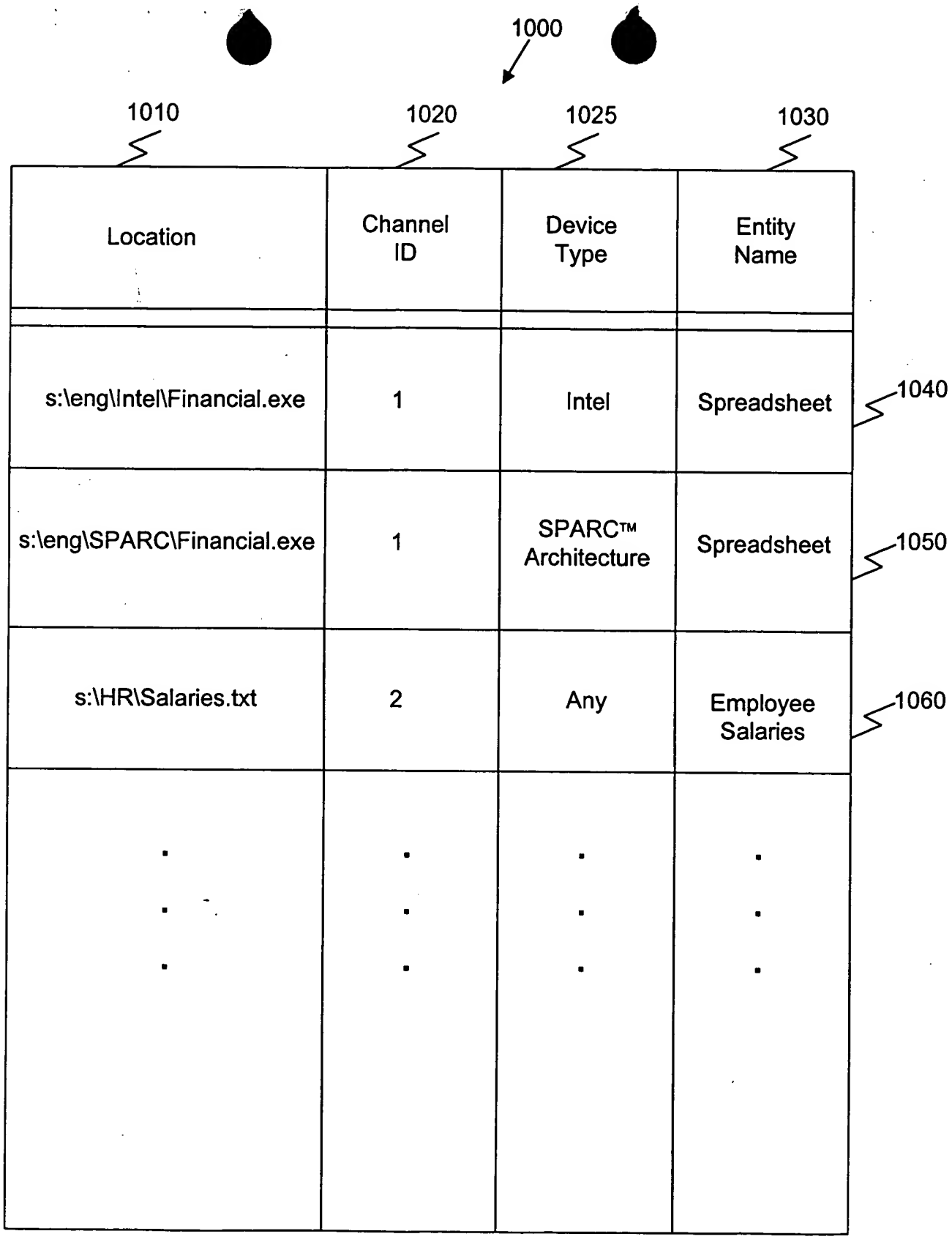
1000
1010
1020
1025
1030
Location
Channel ID
Device Type
Entity Name
s:\eng\Intel\Financial.exe
1
Intel
Spreadsheet
1040
s:\eng\SPARC\Financial.exe
1
SPARC™ Architecture
Spreadsheet
1050
s:\HR\Salaries.txt
2
Any
Employee Salaries
1060

Fig. 10

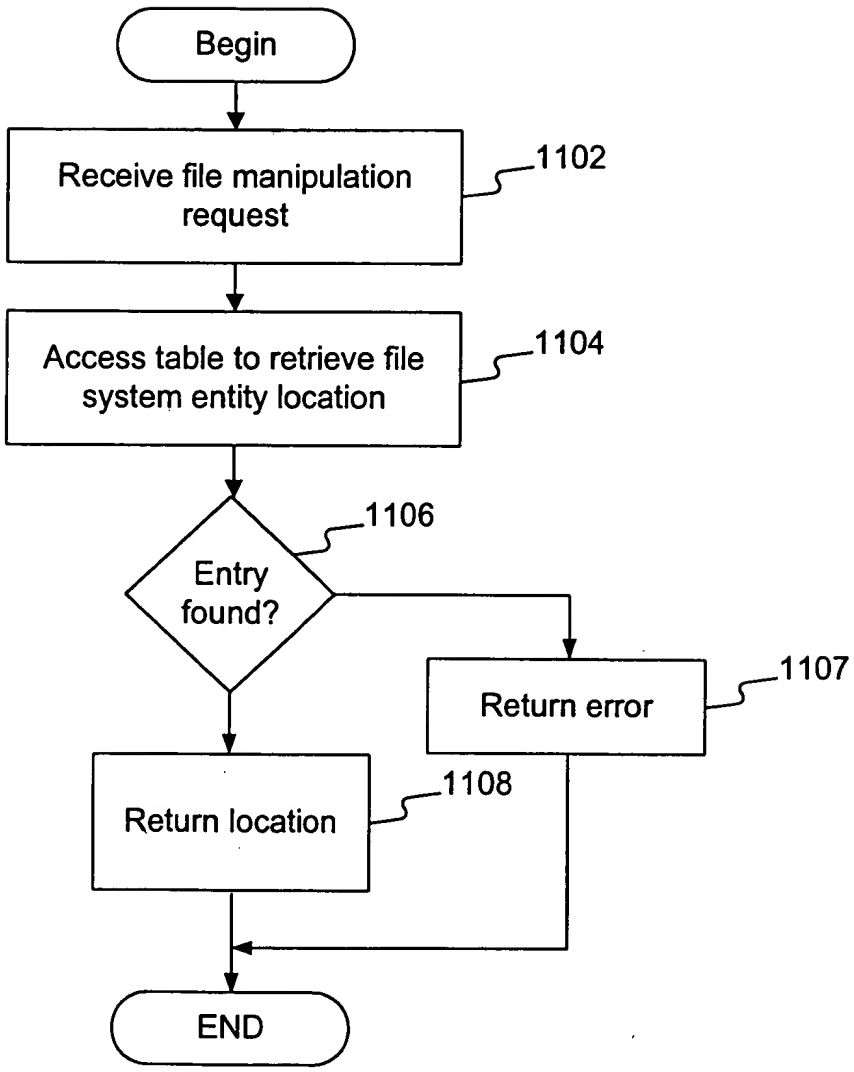
Begin
Receive file manipulation request
1102
Access table to retrieve file system entity location
1104
Entry found?
1106
Return error
1107
Return location
1108
END

Fig. 11

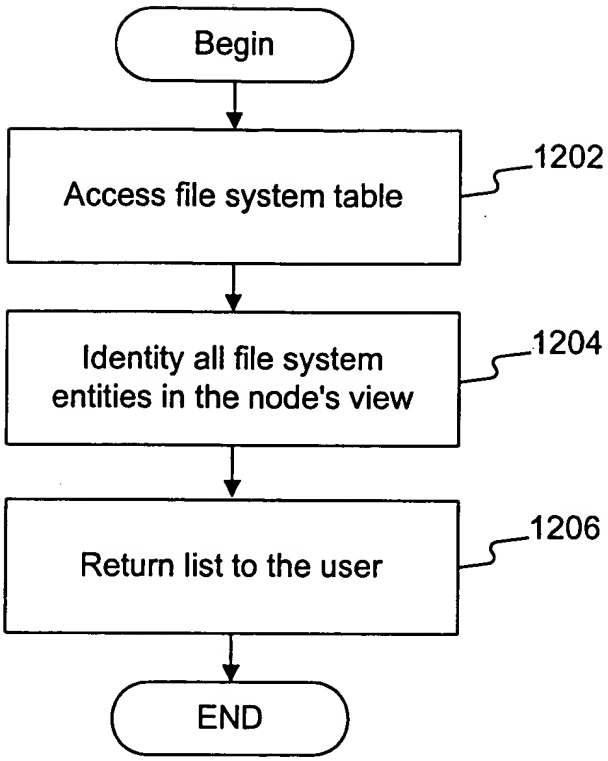

Fig. 12

Docket No. 50325-1209